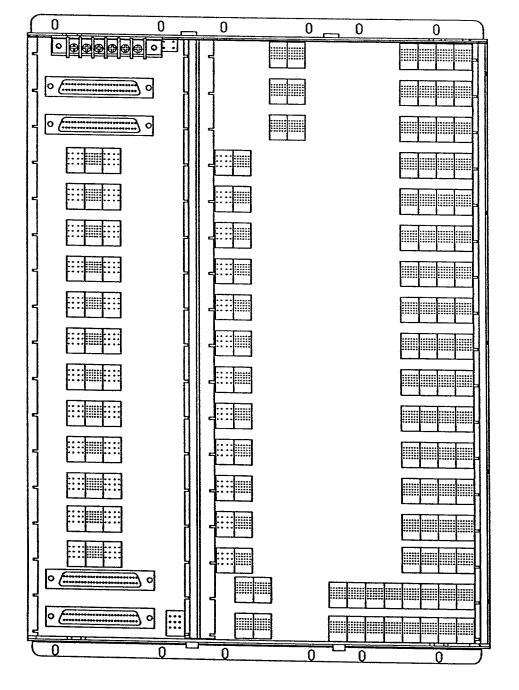


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FIG. 1B

	ALCATEL.				T	)P	R/	\Ck		JNI	Γ										
(15555555)	0558550	L P F	L P F	L P F	(2014)	BBBBBBB					<b>†</b>										
N T	T	1 L T	2 L T	3 L T	4 L T	5 L T	6 L T	7 L T	8 L T	L	10 L T	11 L T	12 L T			A C U		L	Τ :	I SHE	ELF
(Sections)	क्टक्कक	-J O-L-	LPF	11 O F	L P F	L P F		LPF	L P F	L P F			L) P F	(58685885)	2558888			-			
EXT		1 L	2 L T	3 L T	4 L T	5 L T	6 LT	7 L T	8 L T	9 L T	10 L T	11 L T	12 L T					Į.	_T :	SHI	ELF
			I				FAN			 T	<u> </u>	i	<b>!</b>		J	I					•
-		Γ-	_				L R	\FF	LE	1	T	Г	Ι	ı -						- I	-
	Geografia	L P F	L P F	L P F		L P F			L P F				L P F	Hereness						-	
E X T	E X T A B	1 L T	2 L T	3 L T	4 L T	5 L T	6 L T	7 L T	8 L T	L	10 L T	11 L T	12 L T					1	LT	SH	ELF
(interpretation	0,0,0,0,0	L P F	L P F	L P F	LPF	LPF	L P F	L P F	L P F	L P F	L P F	L P F	L P F	(SEE SEE SEE)	0.0000	- I		-			-
11	E E X T T A B	1 '	L	3 L T	4 L T	5 L T	L	L	L	L		  L	L						LT	SH	ELF
	-						FA	N	UN	IT		.1		.1				_		!_	<del>-</del>

# FIG. 1C



# FIG. 1D

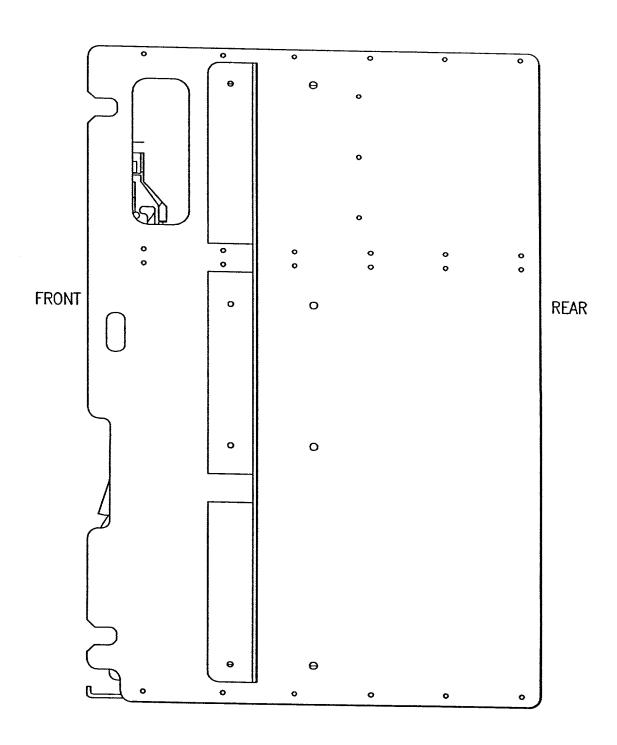
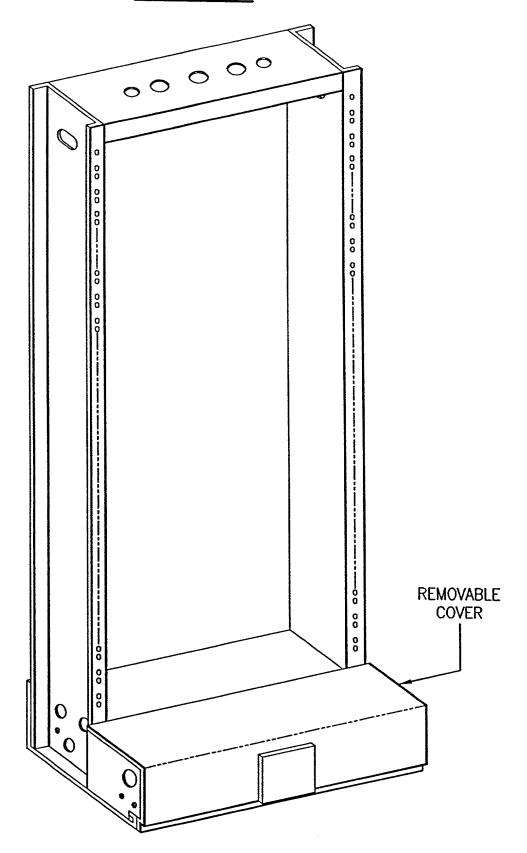
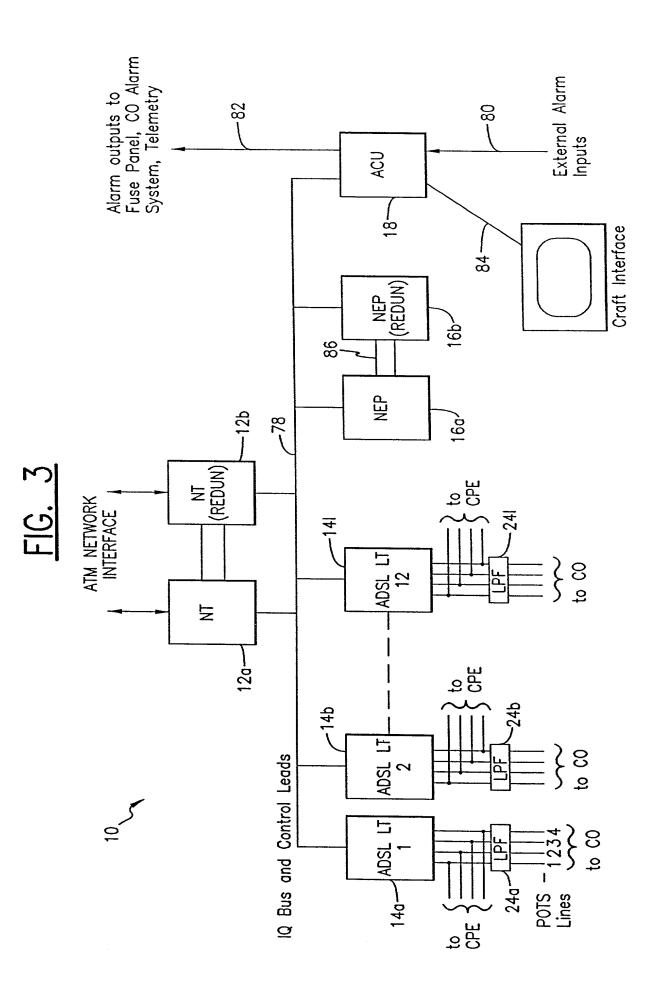
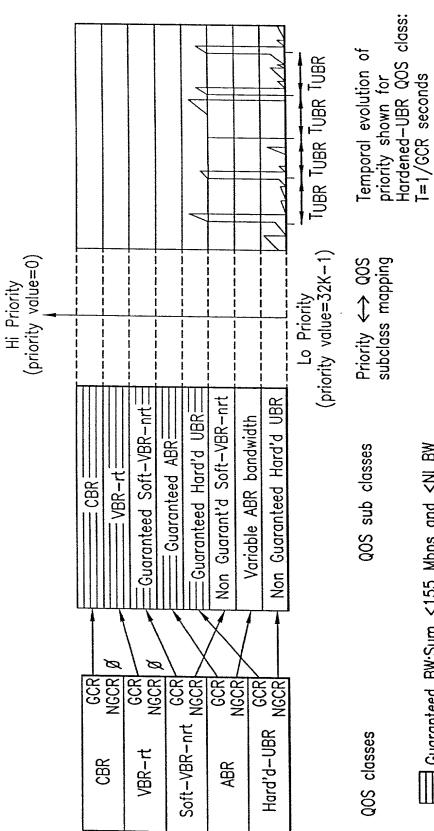


FIG. 1E







Guaranteed BW:Sum ≤155 Mbps and ≤NI BW

Non Guaranteed BW: overbooking allowed

FIG. 4

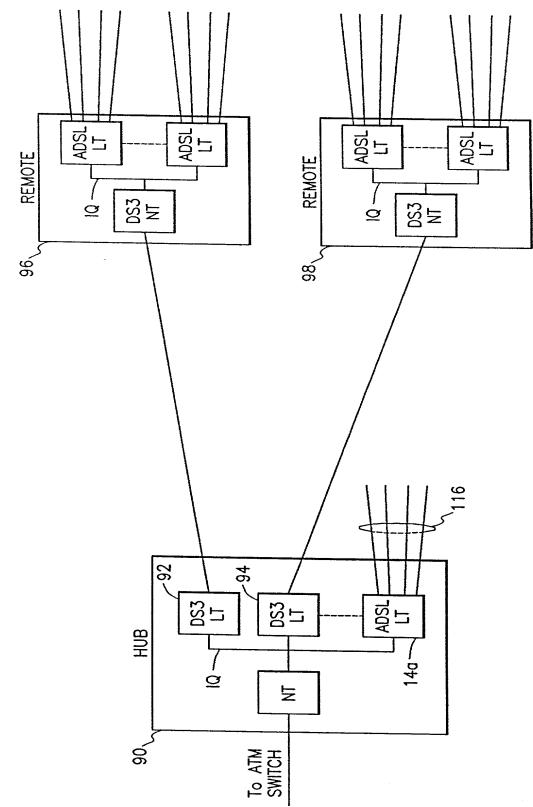


FIG. 4A

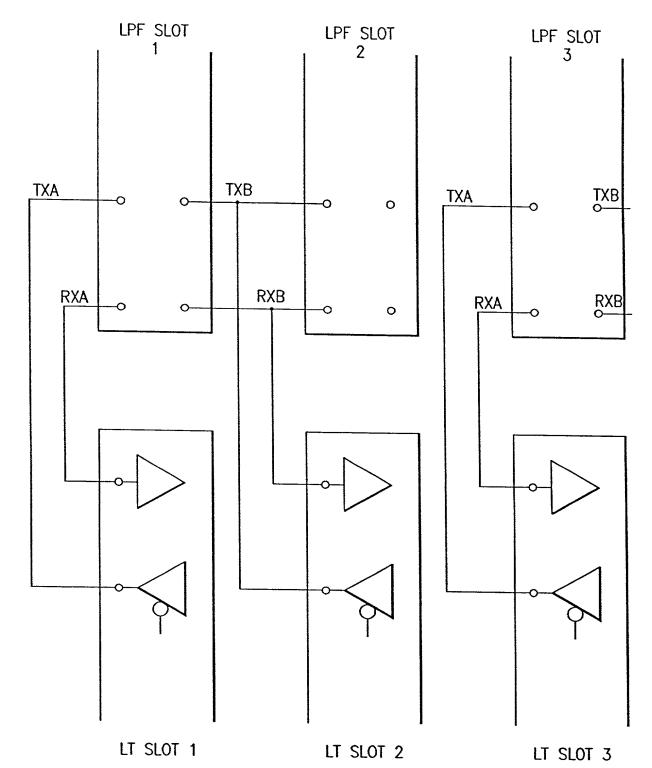


FIG. 4B

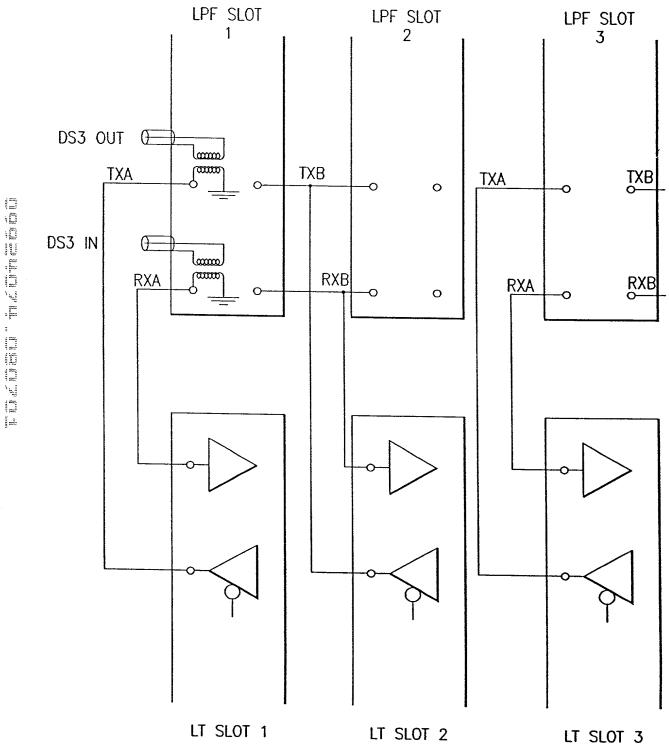


FIG. 4C

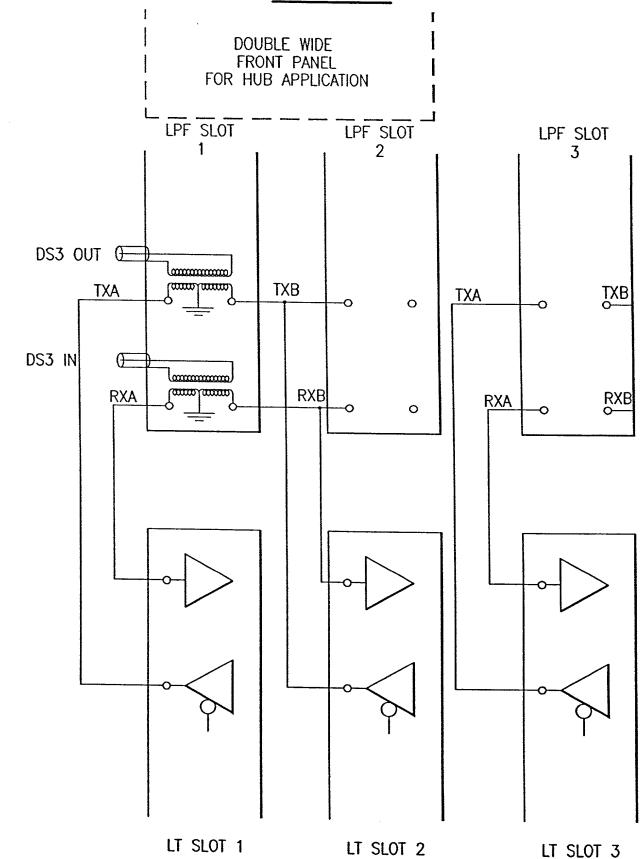


FIG. 4D

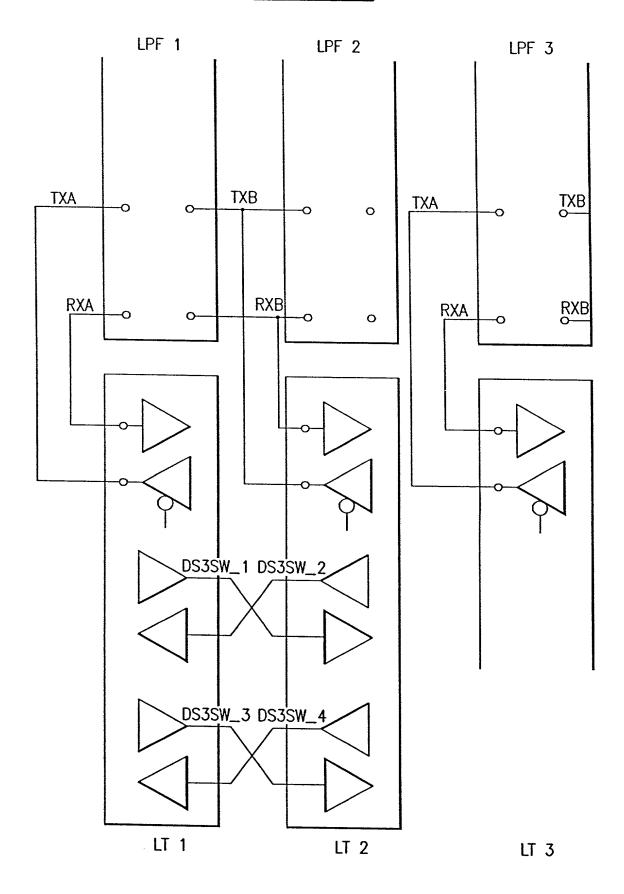
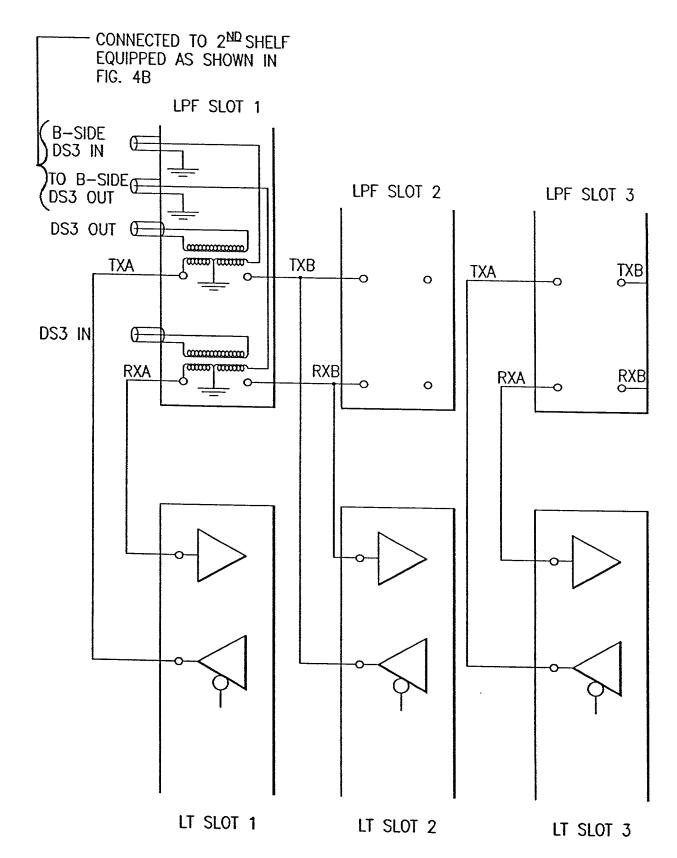
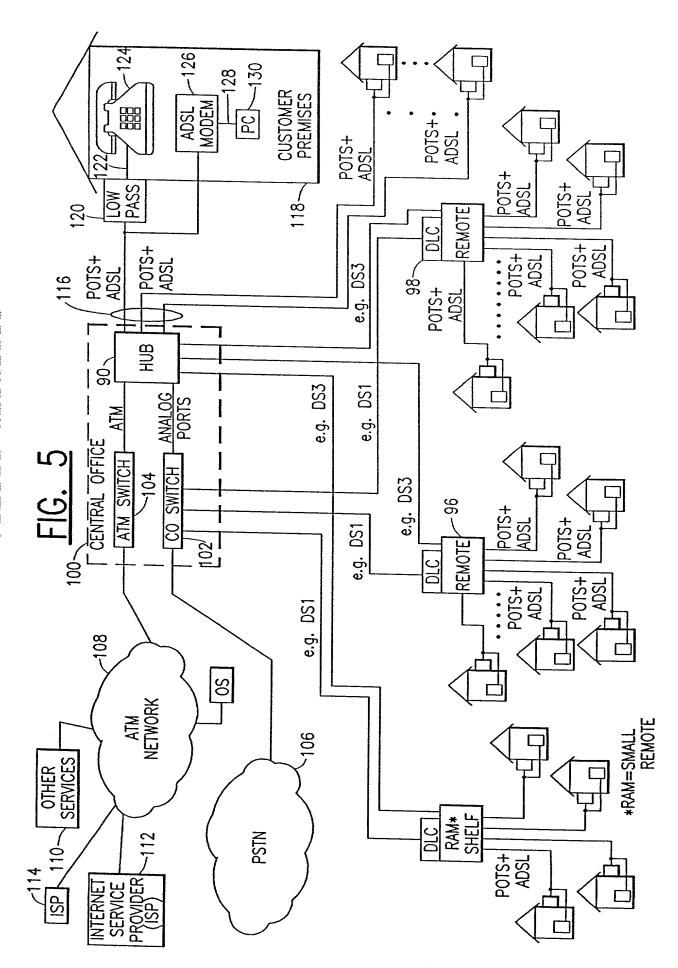


FIG. 4E





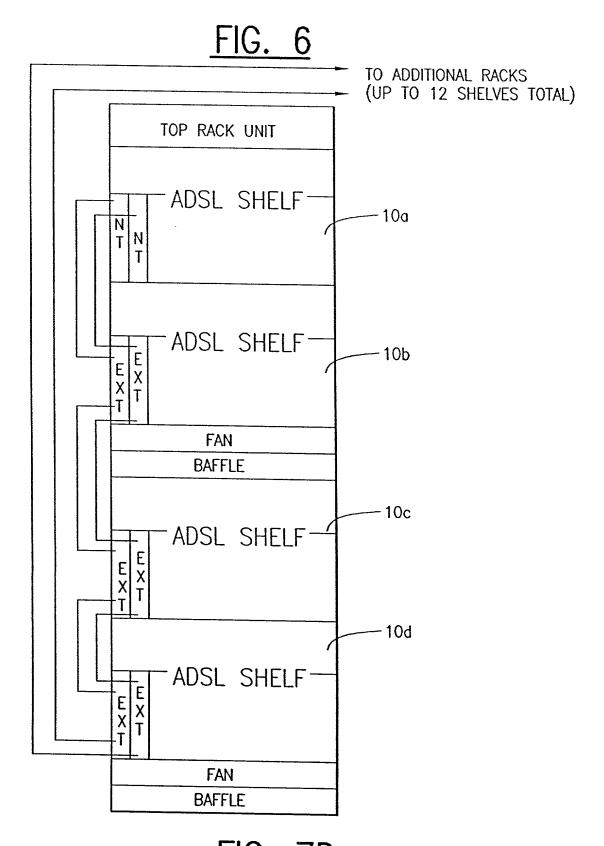


FIG. 7D

3 RS POTS POTS POTS POTS POTS DROP/ADSL

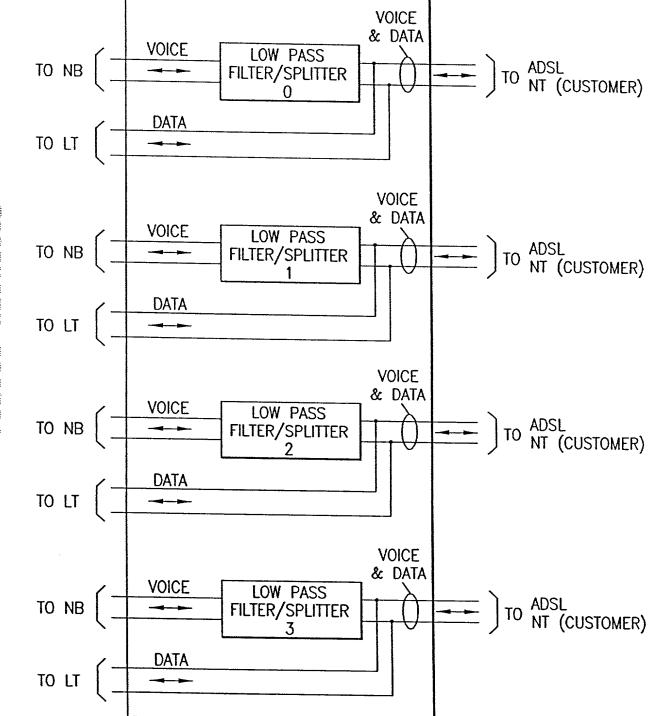
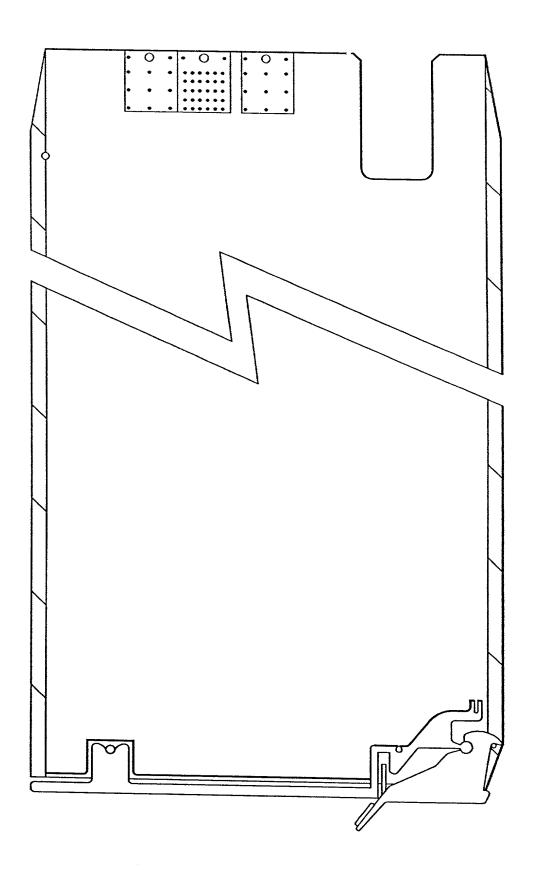
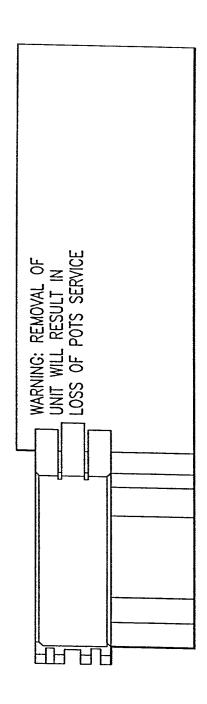


FIG. 7B



# FIG. 7C



## FIG. 8

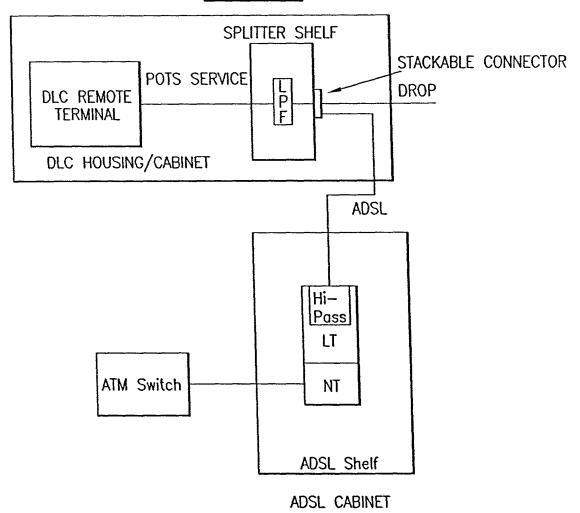


FIG. 13D

INDICA	TOR	MEANING				
NAME	COLOR	MEANING				
ATMF-25	Green	ATMF data transport activity				
TX/RX	Green	Data transmit/receive				
Line Error	Red	Excessive line errors-bad ADSL line				
10 Base-T	Green	Ethernet data transport activity				
Power/Sync	Red	Power-on - initialization phase				
	Green	Line synchronization-ready to operate				

FIG. 8A

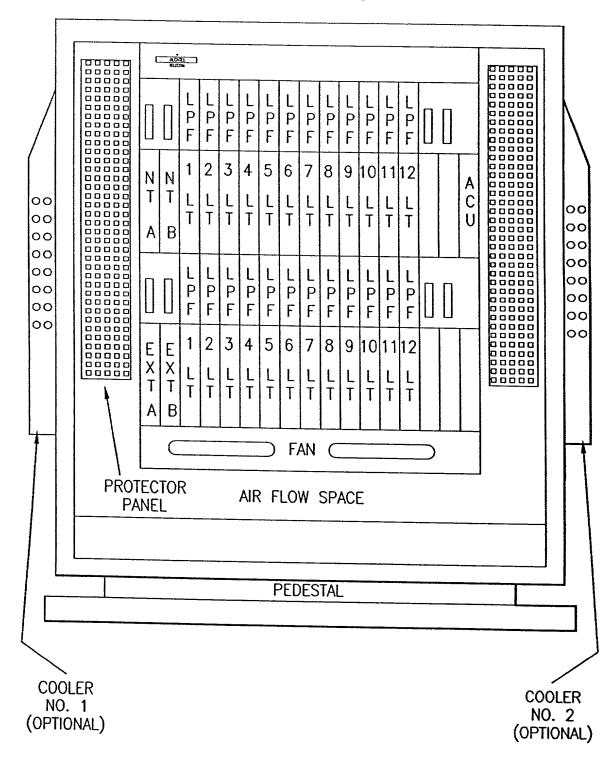


FIG. 9

CRAFT ALARM 1/F	ACO ACT ACO ACT ACO/TST CRITICAL MINOR FAIL
	] ●⊙ ●●●● ਊ
	MTs ACL
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Zω	Φ. ∢
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4 1	<b>I</b>
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۷ 2	<b>—</b>
	<b>—</b>
	<b>–</b> 0. 1€
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O- LL	ــا ۵ـ نــ
SHOP	OKOT
•••••	
POWER	0/1 £\$0

In the second se

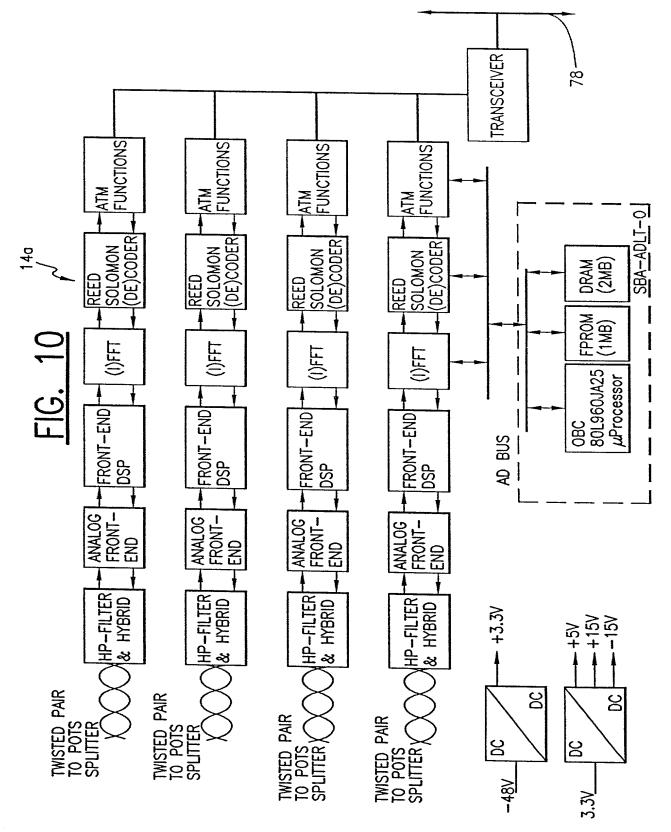
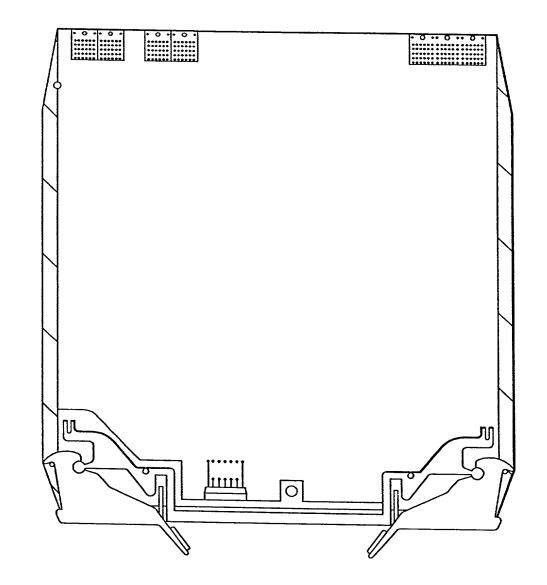
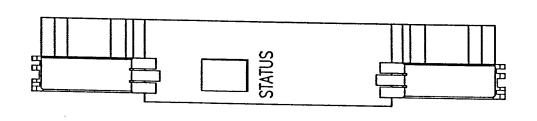
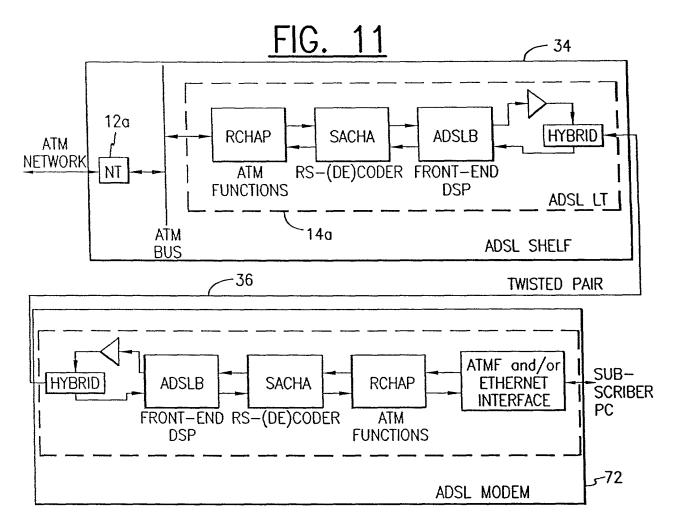


FIG. 10A

FIG. 10B







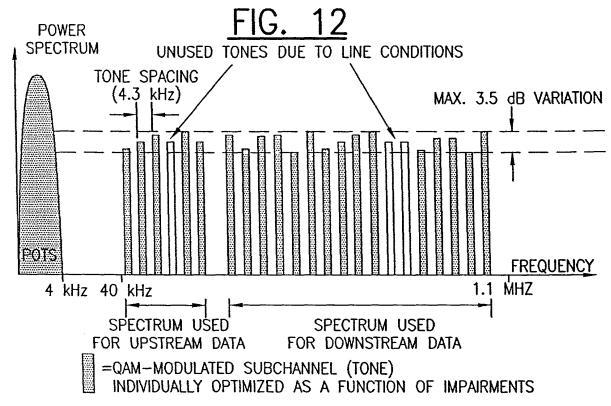
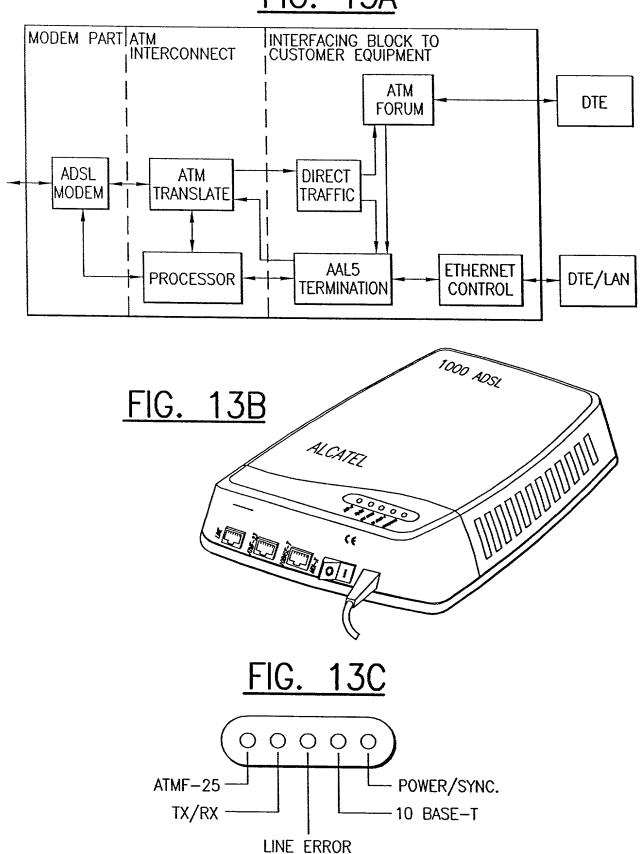
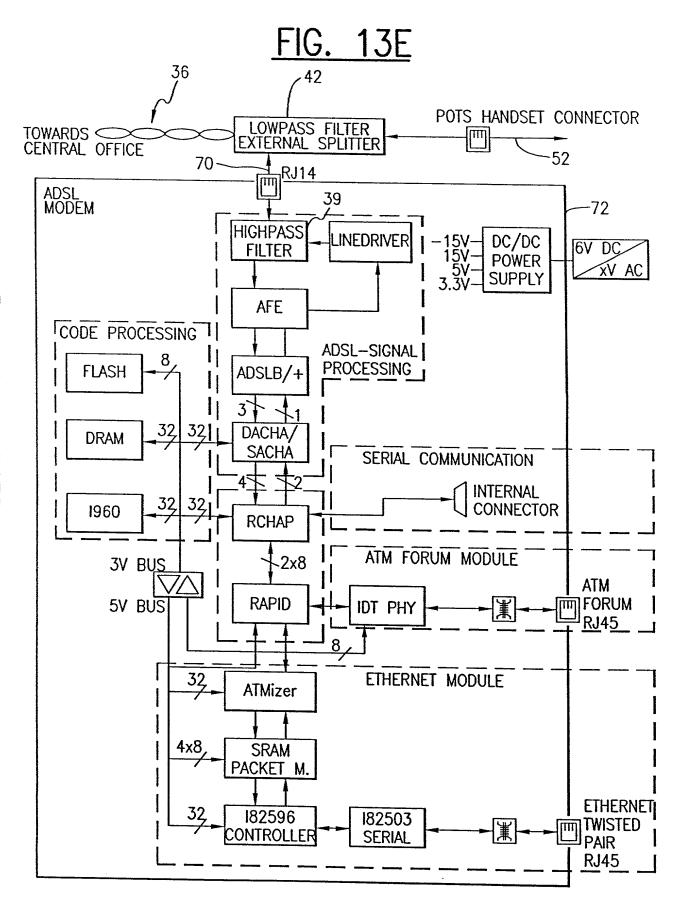


FIG. 13A





#### FIG. 14B

	DOWNSTREAM † FUNCTIONS	UPSTREAMT FUNCTIONS	
(	Optical interface	Reading ATM cells from the ATM	(3)
1		interface (IQ BUS)	5
$\cup$	Locking on received clock	ATM cell extraction	\
(	Serial to parallel conversion	ATM cell insertion	)
1	STM1/STS3c frame alignment	ATM layer processing plus cell rate	
(	recovery	decoupling	<b>(6)</b>
	STM1/STS3c descrambling	ATM cell Header Error Control (HEC)	
(2)	\	calculation	1
	F1, F2, or F3 OAM functions	ATM cell payload scrambling	)
1	ATM cell delineation (in virtual	Mapping of ATM cells in virtual	1
1	container type 4s)	container type 4s	1
	ATM cell HEC checking	F1, F2, or F3 OAM functions	
	ATM cell payload descrambling	STM1/STS3c scrambling	7(7)
_	ATM layer processing plus cell	STM1/STS3c frame generation	
3	rate decoupling	•	)
_	ATM cell extraction	Parallel to serial conversion	
	ATM cell insertion	Produce transmit clock out of	7
	\	recieved clock or local oscillator	_ <b>}</b> (8) <
	Sprovision of access to the ATM	Optical interface	
(4)	፟፟፟QIQ bus	•	)

Note †Upstream is in the direction of the transport system and downstream is in the direction of the ATM IQ interface.

## FIG. 14A

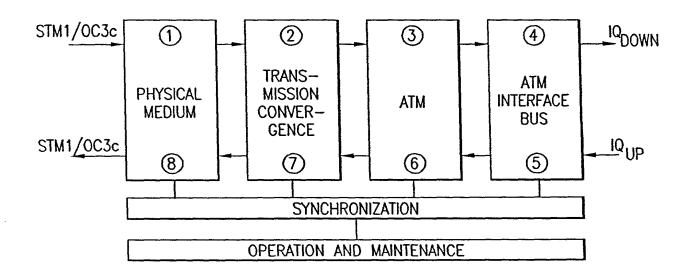
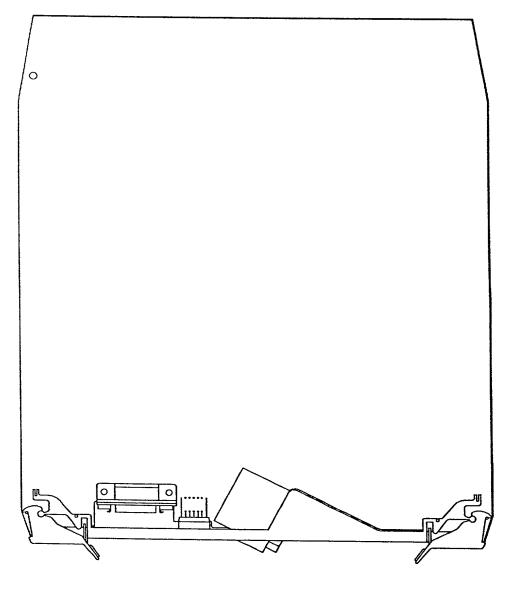
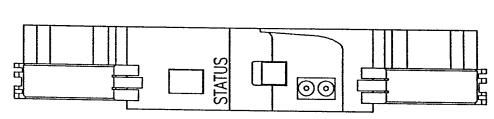


FIG. 14C

FIG. 14D





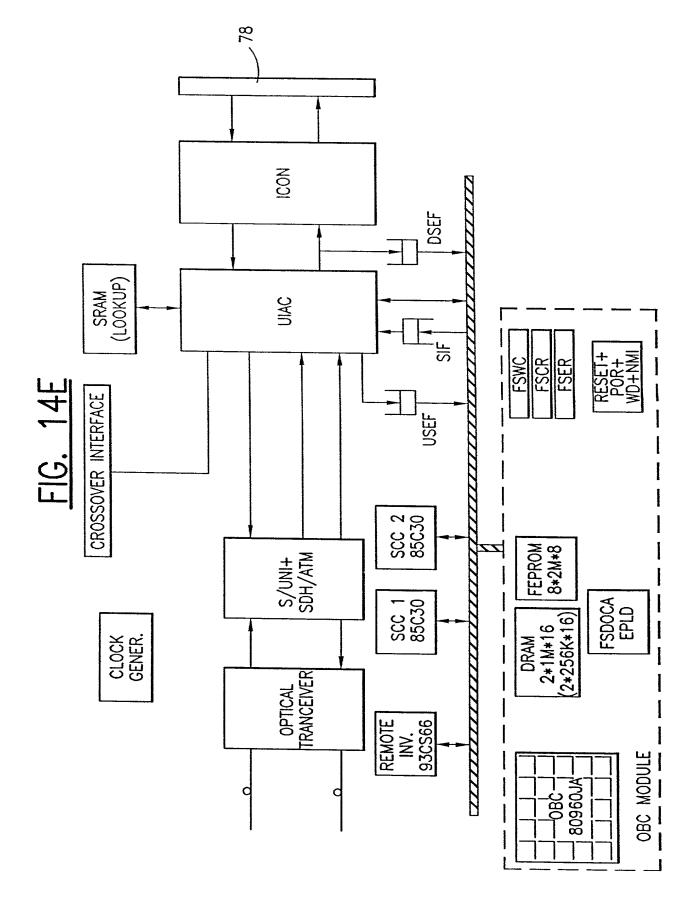


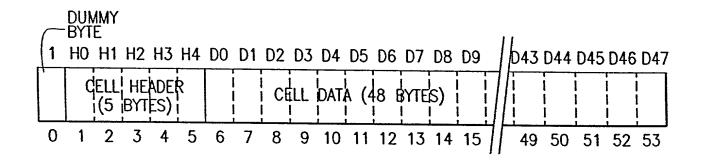
FIG. 14F

7 6 5 4	3 2 1	0 BIT/OCTET
GFC(*)	VPI	1
VPI	VCI	2
	VCI	3
VCI	PTI (	CLP 4
	HEC	5

FIG. 14G

	VPI			V	MODE		
#3	#2	#1	#4	#3	#2	#1	
Χ	Χ	X			Χ		NNI
	χ	Х			Χ	Х	UNI 1
		Х		Х	Х	Х	UNI 2

FIG. 14H



### FIG. 15B

Item Number	Function Description
1	Provides a central office alarm interface
3	Provides a telemetry alarm interface
3	Collects up to 2 rack fan alarms, 1 Top Rack Unit (TRU) fuse
	alarm, 5 miscellaneous external alarms, 1 Alarm Cut—Off Audible Unit (ACO_AU) alarm, and 1 ACO Telemetry (ACO_TEL) alarm
4	Provides local craft terminal port
5	Provides an ethernet port (future option)
6	Provides a visual summary alarm display of rack minor, major,
v	and critical alarm conditions
7	Provides a local Alarm Cut-Off (ACO) for Central Office (CO)
	alarms and a visual display of the ACO status
88	Provides a unit failure indicator
9	Provides a craft port for an asynchronous EIA-232-D function
	available to the user via a female 9—pin subminiature D
	connector on the front panel of the ACU
10	Handles input/output alarm information and generates alarm
	status/indicators via relay contacts or optical switches and
	Light Emitting Diodes (LEDs) for audible/visual/telemetry
11	Provides for a remote inventory function
12	Provides for Network Element Processor A (NEPA)/NEPB
	active/standby arbitration (future option)
13	Provides for NEPA/NEPB reset function (future option)
14	Provides for Joint Test Access Group (JTAG)/boundary scan
	testing

Note There is only one active craft port per ADSL system.

Note The backplane has 5 Identifier (ID) bits dedicated for slot information that are read to check for proper slot insertion (ie., each slot has a unique address).

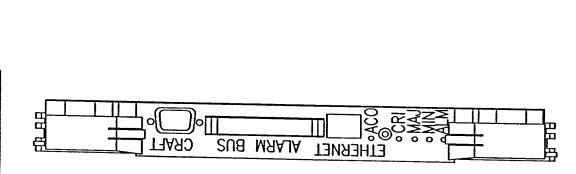


FIG. 17

